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 AN 132:312297 CA  
 TI Manufacture of **calcium silicate** thermal  
**insulating** fire-resistant material  
 IN Sun, Yongsheng; Sun, Xiangyun; Zhou, Jinan; Yu, Xiangxu  
 PA Mingfa Thermal Insulation Material Co., Ltd., Laizhou, Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 IC ICM C09K021-02  
 CC 57-6 (Ceramics)  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CN 1204678	A	19990113	CN 1998-102760	19980703
AB	The material comprises xonotlite, <b>wollastonite</b> , and/or Si additive, and reinforcing fiber. Preferably, the xonotlite is synthesized from amorphous <b>silica</b> micro-powder (such as <b>silica</b> ash, rice husk ash, or white carbon black) contg. >88% SiO <sub>2</sub> , 0-20% quartz powder, and Ca material (such as <b>lime</b> , <b>lime</b> hydrate, or Ca <sub>2</sub> C slag) contg. >95% CaO; the material contains 0-40% <b>wollastonite</b> and 0-20% Si additive; and the reinforcing fiber is ceramic fiber or cotton fiber. The material is manufd. by mixing <b>silica</b> micro-powder and Ca material, heating at 80-100.degree. for 1-3 h, adding <b>wollastonite</b> and 2-8% fiber, forming, allowing the material to react at 190-220.degree. for 12-24 h, cooling, and drying at 100-140.degree..				
ST	<b>calcium silicate</b> thermal <b>insulating</b> fire				